

In the ClaimsClaims 1-20 (canceled).Claim 21 (currently amended):

A method of controlling or inhibiting an insect wherein said method comprises contacting said insect with effective amounts of a Protein A, a Protein B, and a Protein C, wherein

said Protein A is approximately 230-290 kDa, said Protein A ~~consists essentially of a complex-forming protein, wherein a polynucleotide A that encodes said Protein A hybridizes under stringent conditions with the full complement of a nucleic acid sequence A that encodes~~ SEQ ID NO:34 (XptA2<sub>Xwi</sub>);

said Protein B is approximately 130-180 kDa, said Protein B is a complex-forming protein ~~consisting essentially of an~~, wherein a polynucleotide B that encodes said Protein B hybridizes under stringent conditions with the full complement of a nucleic acid sequence B that encodes a B amino acid sequence selected from the group consisting of SEQ ID NO:22 (TcdB1), SEQ ID NO:45 (TcdB2), and SEQ ID NO:56 (TcaC), ~~SEQ ID NO:18 (XptC1<sub>Xwi</sub>), and SEQ ID NO:49 (XptB1<sub>Xhb</sub>);~~

said Protein C is approximately 90-120 kDa, said Protein C is a complex-forming protein ~~consisting essentially of an~~, wherein a polynucleotide C that encodes said Protein C hybridizes under stringent conditions with the full complement of a nucleic acid sequence C that encodes a C amino acid sequence selected from the group consisting of SEQ ID NO:25 (TccC1), SEQ ID NO:47 (TccC3), and SEQ ID NO:57 (TccC5), ~~SEQ ID NO:16 (XptB1<sub>Xwi</sub>), and SEQ ID NO:51 (XptC1<sub>Xhb</sub>);~~

said Protein A has activity against an insect and said activity is potentiated by said Protein B and said Protein C; and

said Protein B and said Protein C potentiate the activity of said Protein A;

~~wherein when said C amino acid sequence is selected from the group consisting of SEQ ID NO:16 (XptB1<sub>Xwi</sub>) and SEQ ID NO:51 (XptC1<sub>Xhb</sub>), said B amino acid sequence is selected from the group consisting of SEQ ID NO:22 (TcdB1), SEQ ID NO:45 (TcdB2), and SEQ ID NO:56 (TcaC);~~

wherein when said B amino acid sequence is selected from the group consisting of SEQ ID NO:18 (XptC1<sub>Xwi</sub>) and SEQ ID NO:49 (XptB1<sub>Xbi</sub>), said C amino acid sequence is selected from the group consisting of SEQ ID NO:25 (TccC1), SEQ ID NO:47 (TccC3), and SEQ ID NO:57 (TccC5) and

wherein said stringent conditions are 0.1X SSC and 0.1% SDS at 55° C.

Claim 22 (currently amended):

The method of claim 21 wherein said Protein C comprises SEQ ID NO:47 (TccC3) and SEQ ID NO:34 (TccC2<sub>Xwi</sub>).

Claim 23 (currently amended):

The method of claim 21 wherein said Protein B comprises amino acid sequence SEQ ID NO:45 (TcdB2).

Claim 24 (currently amended):

The method of claim 21 wherein said Protein C amino acid sequence is selected from the group consisting of SEQ ID NO:47 (TccC3) and SEQ ID NO:57 (TccC5).

Claim 25 (currently amended):

The method of claim 21 wherein said Protein nucleic acid sequence B comprises encodes SEQ ID NO:45 (TcdB2), and Protein nucleic acid sequence C comprises encodes SEQ ID NO:47 (TccC3).

Claims 26-33 (canceled).

Claim 34 (currently amended):

A method of inhibiting an insect wherein said method comprises contacting said insect with an A component ~~and~~, a B component, ~~and a C component~~, wherein said components form an insecticidal toxin complex, wherein

said A component is a 230-290 kDa complex-forming protein having at least 99 95% identity with ~~an A amino acid sequence selected from the group consisting of~~ SEQ ID NO:34 (XptA2) ~~and~~ SEQ ID NO:14 (XptA1);

said B component is a 130-180 kDa complex-forming protein having at least 99 95% identity with a B amino acid sequence selected from the group consisting of SEQ ID NO:22 (TcdB1), SEQ ID NO:45 (TcdB2), ~~and~~ SEQ ID NO:56 (TcaC), ~~SEQ ID NO:18 (XptC1<sub>xw</sub>), and~~ SEQ ID NO:49 (XptB1<sub>xh</sub>);

said C component is a 90-120 kDa complex-forming protein having at least 95% identity with ~~a C amino acid sequence selected from the group consisting of~~ SEQ ID NO:25 (TeeC1), ~~SEQ ID NO:47 (TeeC3), SEQ ID NO:57 (TeeC5), SEQ ID NO:16 (XptB1<sub>xw</sub>), and~~ SEQ ID NO:51 (XptC1<sub>xh</sub>);

wherein said A component has activity against an insect, and wherein said B component ~~is a potentiator of said A component~~ ~~and C components potentiate said activity;~~

wherein ~~when said C amino acid sequence is selected from the group consisting of~~ SEQ ID NO:16 (XptB1<sub>xw</sub>) ~~and~~ SEQ ID NO:51 (XptC1<sub>xh</sub>), ~~said B amino acid sequence is selected from the group consisting of~~ SEQ ID NO:22 (TcdB1), SEQ ID NO:45 (TcdB2), ~~and~~ SEQ ID NO:56 (TcaC); ~~and~~

wherein ~~when said B amino acid sequence is selected from the group consisting of~~ SEQ ID NO:18 (XptC1<sub>xw</sub>) ~~and~~ SEQ ID NO:49 (XptB1<sub>xh</sub>), ~~said C amino acid sequence is selected from the group consisting of~~ SEQ ID NO:25 (TeeC1), SEQ ID NO:47 (TeeC3), ~~and~~ SEQ ID NO:57 (TeeC5).

Claim 35 (currently amended):

The method of claim 34 wherein said A component ~~amino acid sequence~~ is SEQ ID NO:34 (XptA2).

Claim 36 (currently amended):

A method of inhibiting an insect wherein said method comprises contacting said insect with an A component, ~~a B component,~~ and a C component, wherein said components form an insecticidal toxin complex, wherein

said A component is a 230-290 kDa complex-forming protein having at least 95% identity with SEQ ID NO:34 (XptA2)~~an A sequence selected from the group consisting of SEQ ID NO:21 (TedA), SEQ ID NO:62 (TedA2), SEQ ID NO:63 (TedA4), and SEQ ID NO:59 (TebA);~~

~~said B component is a 130-180 kDa complex-forming protein having at least 95% identity with an amino acid sequence selected from the group consisting of SEQ ID NO:22 (TedB1), SEQ ID NO:45 (TedB2), SEQ ID NO:56 (TecaC), SEQ ID NO:18 (XptC1<sub>x<sub>wi</sub></sub>), and SEQ ID NO:49 (XptB1<sub>x<sub>b</sub></sub>);~~

said C component is a 90-120 kDa complex-forming protein having at least 95% identity with an amino acid sequence selected from the group consisting of SEQ ID NO:25 (TccC1), SEQ ID NO:47 (TccC3), and SEQ ID NO:57 (TccC5), ~~SEQ ID NO:16 (XptB1<sub>x<sub>wi</sub></sub>), and SEQ ID NO:51 (XptC1<sub>x<sub>b</sub></sub>);~~

wherein said A component has activity against an insect, ~~and said B and C component is~~ a potentiator of said A component, and any differences between said A component and SEQ ID NO:34, and between said C component and said amino acid sequence, are conservative amino acid substitutionseomponents potentiate said toxin activity;

~~wherein when said C sequence is selected from the group consisting of SEQ ID NO:25 (TccC1), SEQ ID NO:47 (TccC3), and SEQ ID NO:57 (TccC5), said B sequence is selected from the group consisting of SEQ ID NO:18 (XptC1<sub>x<sub>wi</sub></sub>) and SEQ ID NO:49 (XptB1<sub>x<sub>b</sub></sub>) when said C sequence is selected from the group consisting of SEQ ID NO:25 (TccC1), SEQ ID NO:47 (TccC3), and SEQ ID NO:57 (TccC5);~~  
~~and~~

~~wherein when said B sequence is selected from the group consisting of SEQ ID NO:22 (TedB1), SEQ ID NO:45 (TedB2), and SEQ ID NO:56 (TecaC), said C sequence is~~

selected from the group consisting of SEQ ID NO:16 (XptB1<sub>Xwi</sub>) and SEQ ID NO:51 (XptC1<sub>Xb</sub>); when said B sequence is selected from the group consisting of SEQ ID NO:22 (TedB1), SEQ ID NO:45 (TedB2), and SEQ ID NO:56 (TeaC).

Claim 37 (currently amended):

The method of claim 36 wherein said C component comprises A sequence is SEQ ID NO: ~~47~~ 21 (TccC3~~TedA~~).

Claim 38 (currently amended):

The method of claim 34, wherein said method further comprises contacting said insect with a

said A component comprises an amino acid sequence selected from the group consisting of SEQ ID NO:34 (XptA2) and SEQ ID NO:14 (XptA1);

said B component comprises an amino acid sequence selected from the group consisting of SEQ ID NO:22 (TedB1), SEQ ID NO:45 (TedB2), SEQ ID NO:56 (TeaC), SEQ ID NO:18 (XptC1<sub>Xwi</sub>), and SEQ ID NO:49 (XptB1<sub>Xb</sub>); and

said C component comprising comprises an amino acid sequence selected from the group consisting of SEQ ID NO:25 (TeeC1), SEQ ID NO:47 (TeeC3), SEQ ID NO:57 (TeeC5), SEQ ID NO:16 (XptB1<sub>Xwi</sub>), and SEQ ID NO:51 (XptC1<sub>Xb</sub>);

wherein when said C component comprises an amino acid sequence selected from the group consisting of SEQ ID NO:16 (XptB1<sub>Xwi</sub>) and SEQ ID NO:51 (XptC1<sub>Xb</sub>);

said B component comprises an amino acid sequence selected from the group consisting of SEQ ID NO:22 (TedB1), SEQ ID NO:45 (TedB2), and SEQ ID NO:56 (TeaC); and

wherein when said B component is selected from the group consisting of SEQ ID NO:18 (XptC1<sub>Xwi</sub>) and SEQ ID NO:49 (XptB1<sub>Xb</sub>); said C component comprises an amino acid sequence selected from the group consisting of SEQ ID NO:25 (TeeC1), SEQ ID NO:47 (TeeC3), and SEQ ID NO:57 (TeeC5).

Claim 39 (currently amended):

The method of claim ~~38~~ 36 wherein ~~when~~ said method further comprises contacting said insect with a B A-component selected from the group consisting of SEQ ID NO:18 (XptC1<sub>Xwi</sub>) and SEQ ID NO:49 (XptB1<sub>Xb</sub>) comprises ~~SEQ ID NO:34 (XptA2).~~

Claim 40 (currently amended):

The method of claim 35 wherein said B component ~~amino acid sequence~~ is SEQ ID NO:45 (TcdB2) and said C amino acid sequence is selected from the group consisting of SEQ ID NO:47 (TccC3) and SEQ ID NO:57 (TccC5).

Claim 41 (currently amended):

The method of claim ~~36~~ 40 wherein said A component ~~C amino acid sequence~~ is SEQ ID NO: ~~34~~ 7 (XptA2 ~~TccC3~~).

Claim 42 (currently amended):

The method of claim 39 wherein said C B component comprises SEQ ID NO:45 (TcdB2), and said C component comprises SEQ ID NO:47 (TccC3).